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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 5

Application Number	10/051,992
Filing Date	January 17, 2002
First Named Inventor	Denwood F. Ross et al.
Group Art Unit	2878
Examiner Name	Israel, Andrew <i>GAGHAN</i>
Attorney Docket Number	VTN-0572

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
<i>[initials]</i>		5,080,839		Kindt-Larsen	01-14-1992	
<i>[initials]</i>		5,568,715		Ebel et al.	10-29-1996	
<i>[initials]</i>		5,633,504		Collins et al.	05-27-1997	
<i>[initials]</i>		5,399,692		Hung et al.	03-21-1995	
<i>[initials]</i>		4,390,676		Loshaek	06-28-1983	
<i>[initials]</i>		3,666,885		Hemsley et al.	05-30-1972	
<i>[initials]</i>		3,692,985		Kalman	09-19-1972	
<i>[initials]</i>		3,770,969		Ansevin et al.	11-06-1973	
<i>[initials]</i>		3,820,899		McCormack	06-28-1974	
<i>[initials]</i>		3,904,294		Gold et al.	09-09-1975	
<i>[initials]</i>		3,988,068		Sprague	10-26-1976	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵				
<i>[initials]</i>		FR	2 433 767		Horst Riesenber	07-25-1979		
<i>[initials]</i>		DE	3432002	C2	Zeiss et al.	11-05-1987		
<i>[initials]</i>		DE	0 063 761	A1	Haubold, Wolfgang	11-03-1982		
<i>[initials]</i>		DE	0 491 663	A1	Hofer, Peter	06-24-1992		
<i>[initials]</i>		GB	2 171 812	B	Michael Roy Killpatrick	09-03-1986		
<i>[initials]</i>		JP	59 160734	A	Matsushita Denki Sangyo K K	09-11-1984		

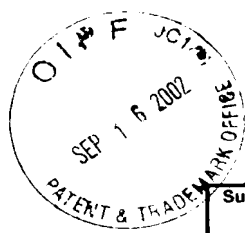
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<i>W</i>		4,002,823		Van Oosterhout	01-11-1977	
<i>W</i>		4,158,502		Greiner et al.	06-19-1979	
<i>W</i>		4,162,126		Nakagawa et al.	07-24-1979	
<i>W</i>		4,317,613		Grosser	03-02-1982	
<i>W</i>		4,519,041		Fant et al.	05-21-1985	
<i>W</i>		4,553,847		Lang	11-19-1985	
<i>W</i>		4,691,231		Fitzmorris et al.	09-01-1987	
<i>W</i>		4,733,360		Kobayashi et al.	03-22-1988	
<i>W</i>		4,815,844		Schmalfluss et al.	03-28-1989	
<i>W</i>		4,817,166		Gonzalez et al.	03-28-1989	
<i>W</i>		4,825,263		Desjardins et al.	04-25-1989	

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<i>W</i>		GB	2 014 725	A	Robert Bosch GMBH	08-30-1979		
<i>W</i>		EP	0 070 252	A1	Ciba-Geigy	01-19-1983		
<i>W</i>		DE	36 21 092	A	Weber, Rudolf	01-07-1988		
<i>W</i>								

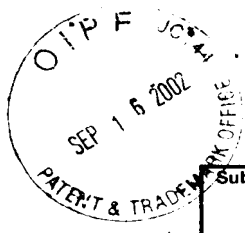
Examiner Signature	<i>W</i> <u>ALBERT BACHMANN</u>	Date Considered	11-13-02
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/		5,039,459		Kindt-Larsen et al.	08-13-1991	
/		5,066,120		Bertrand	11-19-1991	
/		5,081,685		Jones, III et al.	01-14-1992	
/		5,091,963		Litt et al.	02-25-1992	
/		5,094,609		Kindt-Larsen	03-10-1992	
/		5,123,735		Hegarty	06-23-1992	
/		5,249,029		Sommer et al.	09-28-1993	
/		5,164,462		Yang	11-17-1992	
/		5,268,735		Hayashi	12-07-1993	
/		5,466,768		Yang	11-14-1995	
/		5,500,024		Hung et al.	03-19-1996	

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		Office ³	Number ⁴	KindCode ⁵				

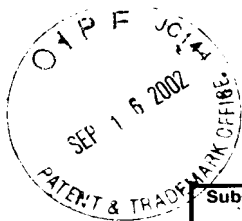
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Group Art Unit	2878
Examiner Name	Israel, Andrew
Attorney Docket Number	VTN-0572

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/		5,500,732		Ebel et al.	03-19-1996	
/		5,574,554		Su et al.	11-12-1996	
/		5,745,230		Edwards et al.	04-28-1998	
/		5,528,878		Edwards et al.	06-25-1996	
/		5,578,331		Martin et al.	11-26-1996	
/		5,626,000		Edwards et al.	05-06-1997	
/		5,649,410		Martin et al.	07-22-1997	
/		5,675,962		Martin et al.	10-14-1997	
/		5,687,541		Martin et al.	11-18-1997	
/		5,706,634		Edwards et al.	01-13-1998	
/		5,749,205		Edwards et al.	05-12-1998	
/		5,260,576		Sommer, Jr. et al.	11-09-1993	

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